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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/940,653	08/29/2001	Feng Chia Chi	2769-105	4798	
6449 7:	590 06/17/2004		EXAMINER		
ROTHWELL, FIGG, ERNST & MANBECK, P.C. 1425 K STREET, N.W.			CHAU, COREY P		
SUITE 800	21, IV. W.		ART UNIT PAPER NUMBE		
WASHINGTO	N, DC 20005		2644		
			DATE MAILED: 06/17/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Applic	cation No.	Applicant(s)		
•	09/940		CHI, FENG CHIA		
· Office Action Summary		ner	Art Unit		
		P Chau	2644		
The MAILING DATE of this com			th the correspondence addres	ss	
Period for Reply					
A SHORTENED STATUTORY PERIC THE MAILING DATE OF THIS COMM - Extensions of time may be available under the prov after SIX (6) MONTHS from the mailing date of this - If the period for reply specified above is less than the - If NO period for reply is specified above, the maxim - Failure to reply within the set or extended period for Any reply received by the Office later than three moderned patent term adjustment. See 37 CFR 1.704	MUNICATION. risions of 37 CFR 1.136(a). In no communication. hirty (30) days, a reply within the four statutory period will apply an reply will, by statute, cause the onths after the mailing date of this	o event, however, may a re statutory minimum of thirty d will expire SIX (6) MON' application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this commu	unication.	
Status					
1) Responsive to communication(s	s) filed on <u>04 June</u> 2004	<u>4</u> .			
2a) This action is FINAL .	2b)⊠ This action i				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merit					
closed in accordance with the p	ractice under Ex parte	Quayle, 1935 C.D	: 11, 453 O.G. 213.		
Disposition of Claims					
4)⊠ Claim(s) <u>1-10</u> is/are pending in (4a) Of the above claim(s) <u>3-5 and</u> 5)□ Claim(s) is/are allowed. 6)⊠ Claim(s) <u>1,2,6,7</u> is/are rejected. 7)□ Claim(s) is/are objected to result of the company of the	nd 8-10 is/are withdraw		on.		
Application Papers					
9) The specification is objected to be	by the Examiner.				
10) The drawing(s) filed on is.	/are: a)□ accepted or	· b)□ objected to I	by the Examiner.		
Applicant may not request that any	-	•			
Replacement drawing sheet(s) inclu	=		• · · · · · · · · · · · · · · · · · · ·		
11)☐ The oath or declaration is object	ed to by the Examiner.	Note the attached	Office Action or form PTO-1	152.	
Priority under 35 U.S.C. § 119					
application from the Intern	of: ority documents have bority documents have bority documents have bories of the priority documentional Bureau (PCT F	peen received. Deen received in Apuments have been Rule 17.2(a)).	pplication No received in this National Sta	ge	
* See the attached detailed Office a	action for a list of the co	ertified copies not i	received.		
	•				
Attachment(s)			•		
1) Notice of References Cited (PTO-892)			ummary (PTO-413)	•	
Notice of Draftsperson's Patent Drawing Revi Information Disclosure Statement(s) (PTO-14-Paper No(s)/Mail Date			s)/Mail Date nformal Patent Application (PTO-152 	2)	

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election without traverse of Fig. 3 in the reply filed on 6/04/04 is acknowledged.
- 2. Claims 1, 2, 6 and 7 reads on Fig. 3. Claims 3, 4, 5, 8, 9, and 10 are withdrawn from consideration because it does not pertain to distinguishing a sound signal and a background interface according to phase characteristic. Claims 3 and 8 pertains to distinguishing a sound signal and a background interface according to amplitude intensity. Claims 4 and 9 pertains to distinguishing sound signal and background interface according to frequency change caused by Doppler effect. Claims 5 and 10 pertains to distinguishing sound signal and background interface according to phase characteristic, amplitude intensity, and frequency change cause by Doppler effect. Although Claims 5 and 10 discloses phase characteristic, it also discloses other elements (amplitude intensity and frequency change) that does not read on Fig. 3.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 4. Claims 1, 2, 6 and 7 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to

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which it pertains, or with which it is most nearly connected, to make and/or use the invention. The application recites in Claims 1 and 6; "distinguishing the sound signal into the sound source signal and the background interference via the signal recognizing device; eliminating the background interference and merely transferring the sound source signal via the signal recognizing device to the signal processing device". The disclosure "the signal recognizing device 12 distinguishes the received sound signal into the sound source signal and the background interference, which differ from each other in characteristics such as phase, amplitude and frequency. Therefore, the signal recognizing device 12 makes use of phase change and deviation of the sound signal, intensity of signal amplitude, and frequency change caused by Doppler effect, so as to differentiate the sound source signal from the background interference. In step 4, after the sound source signal and the background interference are separated from each other, the signal recognizing device 12 eliminates the background interference, and merely transfers the sound source signal to the signal processing device 13." says such may be done by phase, amplitude, and frequency. However, no details are given and thus one of ordinary skill in the art would be unable to actually make and use the invention. In this regards, the specification is merely an invitation to experiment, i.e. Applicant is requiring the public to disclose how to make the invention work, as opposed to disclosing it to the public.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Corey P Chau whose telephone number is (703)305-0683. The examiner can normally be reached on Monday - Friday 9:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Forester W Isen can be reached on (703)305-4386. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 14, 2004

FORESTER W. ISEN
BUPERVISORY PATENT EXAMINER